

IN THE CLAIMS:

Please cancel Claims 36, 41, 43, 48 and 50.

Please amend Claims 16-23, 37-44, 42, 44-27 and 49 as shown in the attached Appendix. The claims, as pending in the subject application, read as follows:

1. (Withdrawn) A communication system that performs communication between a terminal and a central control unit, said terminal comprising:
 - read means for reading a manuscript as image data;
 - character recognition means for performing character recognition from the image data, read by said read means, on the basis of a control signal; and
 - first communication means for transmitting a result of character recognition in said character recognition means to said central control unit or receiving said control signal from the central control unit;
 - said central control unit comprising:
 - second communication means for receiving the result of character recognition in said character recognition means from said terminal or transmitting said control signal to the terminal; and
 - control means for controlling said control signal on the basis of the result of character recognition in said character recognition means, which said second communication means receives.
2. (Withdrawn) The communication system according to claim 1, wherein said character recognition means comprises:

judging means for outputting a recognition candidate character corresponding to said image data with using a recognition dictionary, and judging on the basis of said control signal whether, said recognition candidate character is unrecognizable, wherein said character recognition means outputs the result of character recognition on the basis of the judgement result of said judging means.

3. (Withdrawn) The communication system according to claim 2, wherein said judging means judges whether the recognition candidate character is unrecognizable, by comparing said control signal with similarity of said recognition candidate character.

4. (Withdrawn) The communication system according to claim 2, wherein said judging means judges that the recognition candidate character is unrecognizable, if a value shown by said control signal is larger than the similarity of said recognition candidate character.

5. (Withdrawn) The communication system according to claim 4, wherein said character recognition means outputs a predetermined code showing unrecognizableness as a recognition result of said recognition candidate character if the recognition candidate character is judged as a unrecognizable character as a result of judgement of said judging means.

6. (Withdrawn) The communication system according to claim 5, wherein said control means decreases a value shown by said control signal to a value less than a

current value if a number of said predetermined codes included in the result of character recognition by said character recognition means, which is received by said second communication means, is not less than a predetermined number.

7. (Withdrawn) The communication system according to claim 5, wherein said control means increases a value shown by said control signal to a value larger than a current value if a number of said predetermined codes included in the result of character recognition by said character recognition means, which is received by said second communication means, is less than a predetermined number.

8. (Withdrawn) A control method for a communication system that performs communication between a terminal and a central control unit, said control method comprising:

a read step of reading a manuscript as image data;

a character recognition step of performing character recognition from the image data, read at said read step, on the basis of a control signal; a first communication step of transmitting a result of character recognition at said character recognition step to said central control unit or receiving said control signal from the central control unit;

a second communication step of receiving the result of character recognition at said character recognition step from said terminal or transmitting said control signal to the terminal; and

a control step of controlling said control signal on the basis of the result of character recognition at the character recognition step, which said second communication step receives.

9. (Withdrawn) The control method for the communication system according to claim 8, wherein said character recognition step comprises:

a judging step of outputting a recognition candidate character corresponding to said image data with using a recognition dictionary, and judging on the basis of said control signal whether said recognition candidate character is unrecognizable, wherein said character recognition step outputs the result of character recognition on the basis of the judgement result at said judging step.

10. (Withdrawn) The control method for a communication system according to claim 9, where said judging step judges whether the recognition candidate character is unrecognizable, by comparing said control signal with similarity of said recognition candidate character.

11. (Withdrawn) The control method for a communication system according to claim 9, wherein said judging step judges that said recognition candidate character is unrecognizable, if a value shown by said control signal is larger than the similarity of the recognition candidate character.

12. (Withdrawn) The control method for a communication system according to claim 11, wherein said character recognition step outputs a predetermined code showing unrecognizableness as a recognition result of said recognition candidate character if the recognition candidate character is judged as an unrecognizable character as a result of judgement of said judging step.

13. (Withdrawn) The control method for a communication system according to claim 12, wherein said control step decreases a value shown by said control signal to a value less than a current value if a number of said predetermined codes included in the result of character recognition at said character recognition step, which is received at said second communication step, is not less than a predetermined number.

14. (Withdrawn) The control method for a communication system according to claim 12, wherein said control step increases a value shown by said control signal to a value larger than a current value if a number of said predetermined codes included in the result of character recognition at said character recognition step, which is received at said second communication step, is less than a predetermined number.

15. (Withdrawn) Computer-readable memory that stores program code for controlling a communication system that performs communication between a terminal and a central control unit, said computer-readable memory comprising:

program code for a read step of reading a manuscript as image data;

program code for a character recognition step of

performing character recognition from image data, read at said read step, on the basis of a control signal;

program code for a first communication step of transmitting a result of character recognition at said character recognition step to said central control unit or receiving said control signal from the central control unit;

program code for a second communication step of receiving the result of character recognition at said character recognition step from said terminal or transmitting said control signal to the terminal; and

program code for a control step of controlling said control signal on the basis of the result of character recognition at said character recognition step, which said second communication step receives.

Sci 7 16. (Twice Amended) A communication system that performs communication between a terminal and a central control unit, said terminal comprising:

read means for reading a manuscript, including a manuscript ID as image data;

manuscript ID recognition means for recognizing the manuscript ID from the image data;

first transmitting means for transmitting the recognized manuscript ID to said central control unit;

first receiving means for receiving a control signal from the central control unit, the control signal including an information of character recognizing condition according to the transmitted manuscript ID; and

character recognition means for performing character recognition from the image data in accordance with the information of character recognizing condition included with the control signal;

said central control unit comprising:

second receiving means for receiving the manuscript ID transmitted from said terminal;

obtaining means for obtaining the information of character recognizing condition according to the received manuscript ID; and

second transmitting means for transmitting the control signal including the obtained information of character recognizing condition to said terminal.

130 17. (Amended) The communication system according to claim 16, wherein said character recognition means determines recognition candidate characters corresponding to said image data in accordance with the information of character recognition condition included with the control signal and outputs a predetermined number of recognition candidate characters in the order according to largeness of similarity of the recognition candidate characters.

18. (Twice Amended) The communication system according to claim 16, wherein said central control unit further comprising a database for managing said control signal for the information of character recognizing condition corresponding to the manuscript ID, wherein said obtaining means obtains from said database the control signal corresponding to the received manuscript ID.

19. (Amended) The communication system according to claim 16, wherein the information of character recognizing condition includes positional information, showing each of plural recognition area in said image data, and recognition dictionary information showing a recognition dictionary used for recognition in each recognition area.

20. (Twice Amended) A control method for a communication system that performs communication between a terminal and a central control unit, said control method comprising:

a read step of reading a manuscript, including a manuscript ID as image data;

a manuscript ID recognition step for recognizing the manuscript ID from the image data;

a first transmitting step for transmitting the recognized manuscript ID to said central control unit;

a first receiving step for receiving a control signal from the central control unit, the control signal having an information of character recognizing condition according to the transmitted manuscript ID;

a character recognition step for performing character recognition from the image data in accordance with the information of character recognizing condition included with the control signal;

a second receiving step of receiving the manuscript ID transmitted from said terminal;

an obtaining step for obtaining the information of character recognizing condition according to the received manuscript ID; and
second transmitting means for transmitting the control signal including the obtained information of character recognizing condition to said terminal.

31 21. (Amended) The control method for a communication system according to claim 20, wherein said character recognition step determines recognition candidate characters to said image data in accordance with the information of character recognition condition included with the control signal and outputs a predetermined number of recognition candidate characters in the order according to largeness of similarity of the recognition candidate characters.

22. (Twice Amended) The control method for a communication system according to claim 20, wherein said central control unit further comprising a database for managing said control signal for the information of character recognizing condition corresponding to the manuscript ID, wherein said obtaining step obtains from said database the control signal corresponding to the received manuscript ID.

23. (Amended) The control method for a communication system according to claim 20, wherein the information of character recognizing condition includes positional information, showing each of plural recognition area in said image data, and recognition dictionary information showing a recognition dictionary used for recognition in each recognition area.

24. (Not Changed From Previous Version) Computer-readable memory that stores program code for controlling a communication system that performs communication between a terminal and a central control unit, said computer-readable memory comprising:

program code for a read step of reading a manuscript, including a manuscript ID showing recognition position information of recognition areas in a specific read manuscript, as image data;

program code for a character recognition step of performing character recognition from image data, read at said read step, with selecting a recognition dictionary whose members each correspond to each attribute of the data, on the basis of a control signal;

program code for a manuscript ID recognition step of recognizing said manuscript ID from said image data;

program code for a first communication step of transmitting a result of character recognition at said character recognition step and a result of manuscript ID recognition at said manuscript ID recognition step to said central control unit or receiving said control signal from the central control unit;

program code for a second communication step of receiving the result of character recognition at said character recognition step and the result of manuscript ID recognition at said manuscript ID recognition step from said terminal or transmitting said control signal to the terminal; and

program code for a control step of controlling said control signal on the basis of the result of manuscript ID recognition at said manuscript ID recognition step, which said second communication step receives.

25. (Withdrawn) A communication-system that performs communication between a terminal and a central control unit, said terminal comprising:

read means for reading a manuscript as image data;

character recognition means for performing character recognition from image data, read by the read means, on the basis of a control signal; and

first communication means for transmitting a result of character recognition in said character recognition means to said central control unit or receiving said control signal from the central control unit;

said central control unit comprising:

input means for inputting said control signal; and

second communication means for receiving the result of character recognition in said character recognition means from said terminal or transmitting the control signal inputted from said input means to the terminal.

26. (Withdrawn) The communication system according to claim 25, wherein said character recognition means comprises judging means that outputs a recognition candidate character to said image data with using a recognition dictionary and judges on the basis of said control signal whether said recognition candidate character is unrecognizable, and

wherein said character recognition means outputs the result of character recognition on the basis of a judgement result of said judging means.

27. (Withdrawn) The communication system according to claim 25, wherein said judging means judges whether said recognition candidate character is unrecognizable, by comparing said control signal with similarity of the recognition candidate character.

28. (Withdrawn) The communication system according to claim 25, wherein said character recognition means outputs a predetermined code showing unrecognizableness as a recognition result of said recognition candidate character if the recognition candidate character is unrecognizable as a result of judgement of said judging means.

29. (Withdrawn) The communication system according to claim 25, wherein said central control unit comprises display means displaying information relating to the result of character recognition in said character recognition means that is received in said second communication means, and

wherein a control signal for obtaining desired recognition accuracy is inputted by a user from said display means on the basis of information displayed on said display means.

30. (Withdrawn) A control method for a communication system that performs communication between a terminal and a central control unit, said control method comprising:

- a read step of reading a manuscript as image data;
- a character recognition step of performing character recognition from the image data, read at said read step, on the basis of a control signal;
- a first communication step of transmitting a result of character recognition at said character recognition step to said central control unit or receiving said control signal from the central control unit;
- an input step of inputting said control signal; and
- a second communication step of receiving the result of character recognition at said character recognition step from said terminal or transmitting the control signal, inputted at said input step to the terminal.

31. (Withdrawn) The control method for a communication system according to claim 30, wherein said character recognition step comprises a judging step of outputting a recognition candidate character corresponding to said image data with using a recognition dictionary and judging on the basis of said control signal whether said recognition candidate character is unrecognizable, and

wherein said character recognition step outputs the result of character recognition on the basis of a judgement result at said judging step.

32. (Withdrawn) The control method for a communication system according to claim 31,,wherein said judging step judges whether said recognition candidate character is unrecognizable, by comparing said control signal with similarity of the recognition candidate character.

33. (Withdrawn) The control method for a communication system according to claim 31, wherein said character recognition step outputs a predetermined code showing unrecognizableness as a recognition result of said recognition candidate character if the recognition candidate character is unrecognizable as a result of judgement at said judging step.

34. (Withdrawn) The control method for a communication system according to claim 30, wherein said central control unit comprises a display step displaying information, relating to the result of character recognition at said character recognition step that is received at said second communication step, on a display unit, and wherein a control signal for obtaining desired recognition accuracy is inputted by a user at said input step on the basis of information displayed on said display unit at said display step.

35. (Withdrawn) Computer-readable memory that stores program code for controlling a communication system that performs communication between a terminal and a central control unit, said computer-readable memory comprising:

program code for a read step of reading a manuscript as image data;

program code for a character recognition step of performing character recognition from image data, read at said read step, on the basis of a control signal;

program code for a first communication step of transmitting a result of character recognition at said character recognition step to said central control unit or receiving said control signal from the central control unit;

program code for an input step of inputting said control signal; and

program code for a second communication step of receiving the result of character recognition at said character recognition step from said terminal or transmitting the control signal, which is inputted at said input step, to the terminal.

37. (Amended) The communication system according to claim 16, wherein said character recognition means performs character recognition from the image data and judges on the basis of threshold information included in the information of character recognizing condition whether the recognition candidate character included the result of character recognition is unrecognizable and outputs the recognition candidate character judged as recognizable.

38. (Amended) The communication system according to claim 37, wherein said character recognition means judges whether said recognition candidate character included the result of character recognition is unrecognizable, by comparing the threshold information with similarity of said recognition candidate character.

39. (Amended) The communication system according to claim 38, wherein said character recognition means judges that the recognition candidate character is unrecognizable, if the threshold information is larger than the similarity of said recognition candidate character.

B2 40. (Amended) The communication system according to claim 37, wherein said character recognition means outputs a predetermined code showing unrecognizableness when all of the recognition candidate character is judged as unrecognizable character.

B3 42. (Twice Amended) The communication system according to claim 18, wherein the information of character recognizing condition includes positional information, showing each of plural recognition area in said image, and threshold information for judgement of unrecognizableness in each recognition area.

B4 44. (Amended) The control method for a communication system according to claim 20, wherein said character recognition step performs character recognition from the image data and judging on the basis of threshold information included in the information of character recognizing condition whether the image data included the result of character recognition is unrecognizable and outputs the recognition candidate character judged as recognizable.

45. (Amended) The control method for a communication system according to claim 44, wherein said character recognition step judges whether said image data included the result of character recognition is unrecognizable, by comparing the threshold information with similarity of said recognition candidate character.

By 46. (Amended) The control method for a communication system according to claim 45, wherein said character recognition step judges that the recognition candidate character is unrecognizable, if the threshold information is larger than the similarity of said recognition candidate character.

47. (Amended) The control method for a communication system according to claim 44, wherein said character recognition step outputs a predetermined code showing unrecognizableness when all of said image data is judged as unrecognizable character.

35 Sub 49. (Amended) The control method for a communication system according to claim 22, wherein the information of character recognizing condition includes positional information, showing each of plural recognition area in said image, and threshold information for judgement of unrecognizableness in each recognition area.

51. (Withdrawn) A communication system that performs communication between a terminal and a central control unit, said terminal comprising:

read means for reading a manuscript as image data;

character recognition means for dividing image data, read by said read means, into recognition areas each having the same attribute and performing character recognition every recognition area, being divided, on the basis of a control signal corresponding to each recognition area divided; and

first communication means for transmitting positional information, showing the recognition areas respectively, and a result of character recognition every recognition area to said central control unit or receiving said control signal from the central control unit;

said central control unit comprising:

second communication means for receiving the positional information, showing said recognition areas respectively, and the result of character recognition every recognition area from said terminal or transmitting said control signal to the terminal; and

control means for controlling the control signal every recognition area on the basis of the positional information, showing the recognition areas respectively, and the result of character recognition every recognition area, which said second communication means receives.

52. (Withdrawn) The communication system according to claim 51, wherein said character recognition means comprises judging means that outputs a recognition candidate character corresponding to each of said recognition areas with using a recognition dictionary and judges on the basis of said control signal, corresponding to each of the recognition areas, whether the image data in the recognition area is unrecognizable, and

wherein said character recognition means outputs the result of character recognition on the basis of a judgement result of said judging means.

53. (Withdrawn) The communication system according to claim 52, wherein said judging means judges whether the image data is unrecognizable, by comparing said control signal with similarity of said recognition candidate character.

54. (Withdrawn) The communication system according to claim 52, wherein said judging means judges that the image data is unrecognizable, if a value shown by said control signal is larger than the similarity of said recognition candidate character.

55. (Withdrawn) The communication system according to claim 54, wherein said character recognition means outputs a predetermined code showing unrecognizableness as a recognition result of said recognition candidate character if the image data in said recognition area is unrecognizable as a result of judgement of said judging means.

56. (Withdrawn) The communication system according to claim 55, wherein said control means decreases a value shown by said control signal to a value less than a current value if a number of said predetermined codes included in the result of character recognition by said character recognition means, which is received by said second communication means, is not less than a predetermined number.

57. (Withdrawn) The communication system according to claim 55, wherein said control means increases a value shown by said control signal to a value larger than a current value if a number of said predetermined codes included in the result of character recognition by said character recognition means, which is received by said second communication means, is less than a predetermined number.

58. (Withdrawn) A control method for a communication system that performs communication between a terminal and a central control unit, said control method comprising:

- a read step of reading a manuscript as image data;
- a character recognition step of dividing image data, read at said read step, into recognition areas each having the same attribute and performing character recognition every recognition area, being divided, on the basis of a corresponding control signal;
- a first communication step of transmitting positional information, showing the recognition areas respectively, and a result of character recognition every recognition area to said central control unit or receiving said control signal from the central control unit;
- a second communication step of receiving the positional information, showing the recognition areas respectively, and the result of character recognition every recognition area from said terminal or transmitting said control signal to the terminal; and
- a control step of controlling the control signal every recognition area on the basis of the positional information, showing said recognition areas respectively, and the

result of character recognition every recognition area, which said second communication step receives.

59. (Withdrawn) The control method for a communication system according to claim 58, wherein said character recognition step comprises judging step that outputs a recognition candidate character corresponding to each of said recognition areas with using a recognition dictionary and judges on the basis of said control signal, corresponding to each of the recognition areas, whether the image data in the recognition area is unrecognizable, and

wherein said character recognition step outputs the result of character recognition on the basis of a judgement result of said judging step.

60. (Withdrawn) The control method for a communication system according to claim 59, wherein said judging step judges whether the image data in said recognition area is unrecognizable, by comparing said control signal with similarity of said recognition candidate character.

61. (Withdrawn) The control method for a communication system according to claim 59, wherein said judging step judges that the image data in said recognition area is unrecognizable, if a value shown by said control signal is larger than the similarity of said recognition candidate character.

62. (Withdrawn) The control method for a communication system according to claim 61, wherein said character recognition step outputs a predetermined code showing unrecognizableness as a recognition result corresponding to the recognition candidate character if the image data in said recognition area is unrecognizable as a result of judgement at said judging step.

63. (Withdrawn) The control method for a communication system according to claim 62, wherein said control step decreases a value shown by said control signal to a value less than a current value if a number of said predetermined codes included in the result of character recognition at said character recognition step, which is received by said second communication step, is not less than a predetermined number.

64. (Withdrawn) The control method for a communication system according to claim 62, wherein said control step increases a value shown by said control signal to a value larger than a current value if a number of said predetermined codes included in the result of character recognition at said character recognition step, which is received at said second communication step, is less than a predetermined number.

65. (Withdrawn) Computer-readable memory that stores program code for controlling a communication system that performs communication between a terminal and a central control unit, said computer-readable memory comprising:

program code for a read step of reading a manuscript as image data;

program code for a character recognition step of dividing image data, read at said read step, into recognition areas each having the same attribute and performing character recognition every recognition area, being divided, on the basis of a corresponding control signal;

program code for a first communication step of transmitting positional information, showing said recognition areas respectively, and a result of character recognition every recognition area to said central control unit or receiving said control signal from the central control unit;

program code for a second communication step of receiving the positional information, showing said recognition areas respectively, and the result of character recognition every recognition area from said terminal or transmitting said control signal to the terminal; and

program code for a control step of controlling the control signal every recognition area on the basis of the positional information, showing said recognition areas respectively, and the result of character recognition every recognition area, which said second communication step receives.

66. (Withdrawn) A communication system that performs communication between a terminal and a central control unit, said terminal comprising:

read means for reading a manuscript as image data;

character recognition means for performing character recognition from

image data read by said read means; and

first communication means for transmitting a result

of character recognition in said character recognition means to said central control unit;

said central control unit comprising:

second communication means for receiving the result of character recognition in said character recognition means from said terminal;

display means for displaying the result of character recognition in said character recognition means, which said second communication means receives;

input means for inputting an instruction for performing processing to said result of character recognition; and

post-processing means for performing post processing of said result of character recognition on the basis of an input with said input means.

67. (Withdrawn) The communication system according to claim 66, wherein said character recognition means comprises judging means that outputs a recognition candidate character corresponding to said image data with using a recognition dictionary and judges on the basis of said control signal whether said image data is unrecognizable, and wherein said character recognition means outputs the result of character recognition on the basis of a judgement result of said judging means.

68. (Withdrawn) The communication system according to claim 67, wherein said judging means judges whether said image data is unrecognizable, by comparing said control signal with similarity of said recognition candidate character.

69. (Withdrawn) The communication system according to claim 67, wherein said judging means judges that said image data is unrecognizable, if a value shown by said control signal is larger than the similarity of said recognition candidate character.

70. (Withdrawn) The communication system according to claim 67, wherein said character recognition means outputs a predetermined code showing unrecognizableness as a recognition result of said recognition candidate character if said image data is unrecognizable as a result of judgement of said judging means.

71. (Withdrawn) The communication system according to claim 67, wherein said first communication means transmits image data with said result of character recognition if the image data, which is judged as being unrecognizable by said judging means, exists.

72. (Withdrawn) A control method for a communication system that performs communication between a terminal and a central control unit, said control method comprising:

a read step of reading a manuscript as image data;

a character recognition step of performing character recognition from image data read at said read step;

a first communication step of transmitting a result of character recognition at the character recognition step to said central control unit;

a second communication step of receiving the result of character recognition at said character recognition step from said terminal;

a display step for displaying the result of character recognition at said character recognition step, which is received at said second communication step;

an input step of inputting an instruction for performing processing of said result of character recognition; and

a post-processing step for performing post processing of said result of character recognition on the basis of an input at said input step.

73. (Withdrawn) The control method for a communication system according to claim 72, wherein said character recognition step comprises judging step that outputs a recognition candidate character corresponding to said image data with using a recognition dictionary and judges on the basis of said control signal whether said image data is unrecognizable, and

wherein said character recognition step outputs the result of character recognition on the basis of a judgement result at said judging step.

74. (Withdrawn) The control method for a communication system according to claim 73, wherein said judging step judges whether said image data is unrecognizable, by comparing said control signal with similarity of said recognition candidate character.

75. (Withdrawn) The control method for a communication system according to claim 73, wherein said judging step judges that said image data is unrecognizable, if a value shown by said control signal is larger than the similarity of said recognition candidate character.

76. (Withdrawn) The control method for a communication system according to claim 73, wherein said character recognition step outputs a predetermined code showing unrecognizableness as a recognition result corresponding to the recognition candidate character if said image data is unrecognizable as a result of judgement at said judging step.

77. (Withdrawn) The control method for a communication system according to claim 73, wherein said first communication step transmits image data with said result of character recognition if the image data, which is judged as being unrecognizable at said judging step, exists.

78. (Withdrawn) Computer-readable memory that stores program code for controlling a communication system that performs communication between a terminal and a central control unit, said computer-readable memory comprising:

program code for a read step of reading a manuscript as image data;

program code for a character recognition step of performing character recognition from image data read at said read step;